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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/695,529	PRZYTULA, KRZYSZTOF W.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Wilbert L. Starks, Jr.	2129	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the filing of 03/27/2007.
2. ☒ The allowed claim(s) is/are 1-66.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

## DETAILED ACTION

### Reasons For Allowance

1. Claims 1-66 are allowed.
2. The following is an Examiner's statement of reasons for allowance: Claims 1-66 are considered allowable since when reading the claims in light of the specification, as per MPEP §2111.01 or In re Sneed, 710 F.2d 1544, 1548, 218 USPQ 385, 388 (Fed. Cir. 1983), none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 1, including: a "decision flowchart" (as defined at paragraphs [0051], [0045], [0015], [0016], and [0025]), "receiving a representation of a decision flowchart having evidence nodes, a root evidence node, and outcome nodes, where the outcome nodes are related to the evidence nodes by conclusion links" (as defined at paragraph [0022]), "generating a probabilistic graph" (as defined at paragraphs [0010], [0013], [0037], and [0058] (lines 5-7)), a "test node" (as defined at paragraph [0049]), "prior probabilities" (as defined at paragraphs [0062] and [0017]), "outcome states" (as defined at paragraph [0062]), "conditional probabilities" (as defined at paragraphs [0019] and [0065]), "dependencies" (as defined at paragraphs [0018], [0008], and [0014]), "conclusion links" (as defined at paragraph [0063]).

3. Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 23, including: a "decision flowchart" (as defined at paragraphs [0051], [0045], [0015], [0016], and [0025]), "receiving a representation of a decision flowchart having evidence nodes, a root evidence node, and outcome nodes, where the outcome nodes are related to the evidence nodes by conclusion links" (as defined at paragraph [0022]), "generating a probabilistic graph" (as defined at paragraphs [0010], [0013], [0037], and [0058] (lines 5-7)), a "test node" (as defined at paragraph [0049]), "prior probabilities" (as defined at paragraphs [0062] and [0017]), "outcome states" (as defined at paragraph [0062]), "conditional probabilities" (as defined at paragraphs [0019] and [0065]), "dependencies" (as defined at paragraphs [0018], [0008], and [0014]), "conclusion links" (as defined at paragraph [0063]).

4. Further, none of the references of record alone or in combination disclose or suggest the combination of limitations specified in independent claim 45, including: a "decision flowchart" (as defined at paragraphs [0051], [0045], [0015], [0016], and [0025]), "receiving a representation of a decision flowchart having evidence nodes, a root evidence node, and outcome nodes, where the outcome nodes are related to the evidence nodes by conclusion links" (as defined at paragraph [0022]), "generating a probabilistic graph" (as defined at paragraphs [0010], [0013], [0037], and [0058] (lines 5-7)), a "test node" (as defined at paragraph [0049]), "prior probabilities" (as defined at

paragraphs [0062] and [0017]), "outcome states" (as defined at paragraph [0062]), "conditional probabilities" (as defined at paragraphs [0019] and [0065]), "dependencies" (as defined at paragraphs [0018], [0008], and [0014]), "conclusion links" (as defined at paragraph [0063]).

5. Any comments considered necessary by Applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

A. Thiesson et al. (U.S. Patent Number 6,408,290 B1; dated 18 JUN 2002; class 706; subclass 052) discloses mixtures of Bayesian networks with decision graphs.

B. Thiesson et al. (U.S. Patent Number 6,345,265 B1; dated 05 FEB 2002; class 706; subclass 052) discloses clustering with mixtures of Bayesian networks.

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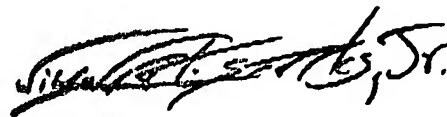
- C. Thiesson et al. (U.S. Patent Number 6,336,108 B1; dated 01 JAN 2002; class 706; subclass 020) discloses speech recognition with mixtures of Bayesian networks.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Wilbert L. Starks, Jr. whose telephone number is (571) 272-3691.

Alternatively, inquiries may be directed to the following:

S. P. E. David Vincent (571) 272-3080

Official (FAX) (571) 273-8300

A handwritten signature in black ink, appearing to read "Wilbert L. Starks, Jr.", with a stylized, cursive script.

Wilbert L. Starks, Jr.  
Primary Examiner  
Art Unit 2129

WLS

17 JUL 2007